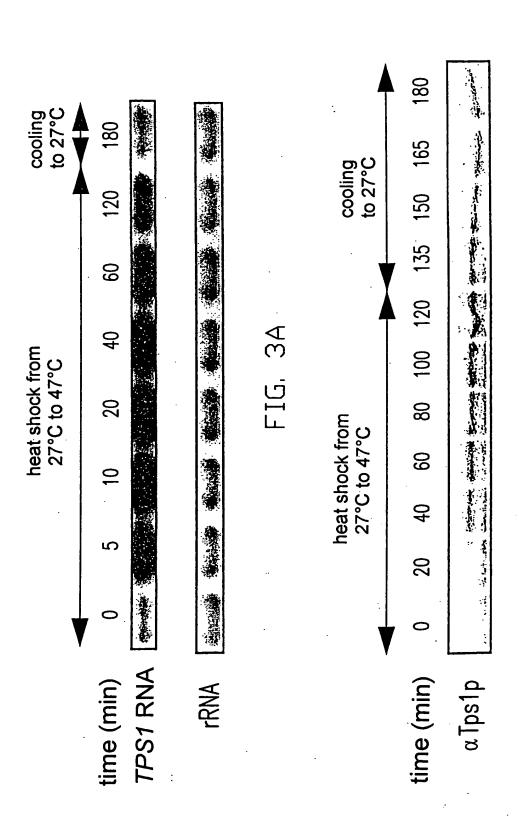


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FIG, 3B

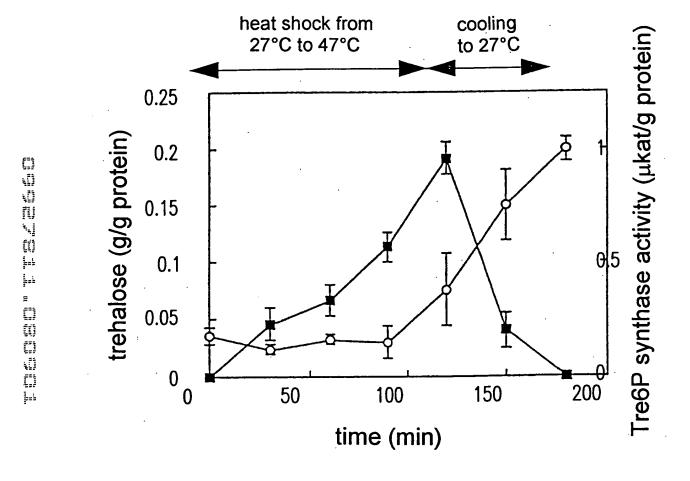
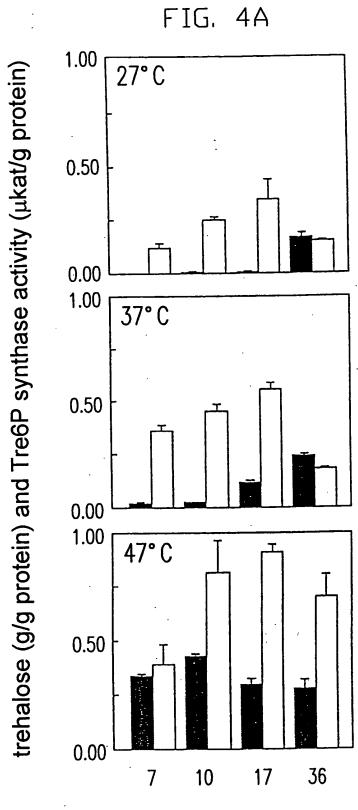
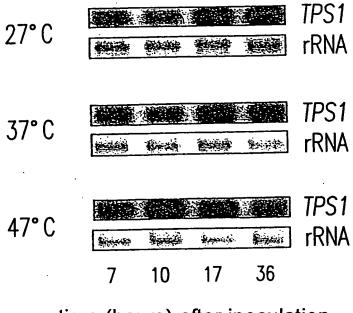


FIG. 3C

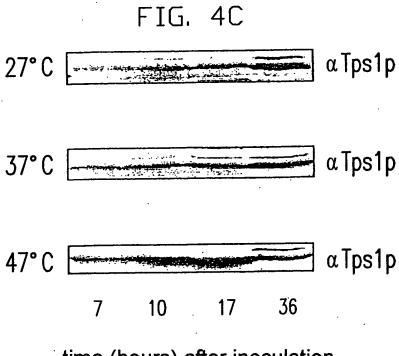


time (hours) after inoculation

FIG. 4B



time (hours) after inoculation



time (hours) after inoculation

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1050 AATTCTATTC AACTCTATTC AACAGCATTT AACAGCATTC	1100 CGACGAGAAT CGATGACACT TGATGAAAAT TGACGAGGAA TGACGAGGAA	1150 ACGACATTGC ATGAAATTGA TGGAAATAGT AGGCCATTGT AAGCGGTTGC	,	AGAAGTTGCA AGAAGTTACA AAAAATTACA AAAAATTCCA AGAAGTTACA	1750 GCCAAGGTTG GCTAAGGTGG GCAAAGTAG GCAAGGTCG
AACTC AACTC AATAG AACAG	662469 662469 162469 16269	ACGAG ATGAA TGGAA AGGCG AAGCG		AGAAC AAAAC AAAAC	8664 8664 8664 8664 8664 8664 8664
CTGGTTCAGT CGGATTTTCC TGGGTTTTCA CGGATTTAGT ACTGCTCACA	AGATCAATTT AGATCACTT AAATTAATTT AGATTACTT	ACGTTCACCA GCTTTGCCG AAATTGCAT GCTTTGCAT GCTTTTGCCG	<b>Y</b>	GGTGTGCCTC GGTGTTCCTC GGTGTTCCCC GGTGTTCCCC	AGNATGGAGG TGNATGGATT CGNATGGATT TGNATGGGTT GGAGTGGGTT
AC.TCTACAA TC.ATTACAA AC.ATTATAA CC.ATTACAA ACGATATCC	CATCCTGGTG CATCCTGGTG CATCCTGGTG CATCCTGGTG CATCCTGGTG	GGCANACCAG GGCANATATG AGCCNATANG GGCTNACTAC GGCCNACCGT		TTACATCAAA TTACATCAAA CTACATTAAG TTACATCAAA	ACGAGCATCC GTGCGCATCC ATGAAAATCC AACAATACCC
TCGCAGACTT TTGCTGATCT TTGCTGATTT CTGCCGACCG	ATTCCATTAC GTTCCATTAC TTTCCATTAT GTTCCACTAC	CATACAACGA CGTACAACGA CGTATATTGA CCTATCGTGC CATACAAGGA		ACACCTOS ATCOTCTTGA ATAGATTAGA ATCOTTTGGA ACCGCTGGA	GTGTTTCTGA GTGTTCCTCG GTCTTTTTGA GTGTTCTTAG
1001 AGCGATGAAA AGTGACGAAG AGTGATACGA GATGATGAGA	1051 THTGGCGTT THTGGCCATT THTGGCCACT THTGGCCCTT	1101 GCGTGGTAGG GCATGCGTAGG GOATGGGAGG AATTGGGAGG		1651 GTTGGTGTCG ATTGGGGTCG GTTGGTGTTG GTGGGTGTCG	1701 CGCQATGGAA CGCQTTGGAA TGCATTTGAA TGCQCTTGAA
cerevisiae lactis albicans pombe niger	cerevisiae lactis albicans pombe niger	cerevisiae lactis albicans pombe niger		cerevisiae lactis albicans pombe niger	S. cerevisiae K. lactis C. albicans S. pombe A. niger
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## FIGUR 6

## SEQ ID NO:8 (nucleic acid sequence) SEQ ID NO:7 (amino acid sequence)

792.	CTTAAATACCACAATAGGAAAATTATCAATAAAGCTTTTCGGATTTCATTACGTTATATC	-733
732. 732	CCA A A A A A TACTICACCTTTCTGAACCGTTCGTTAATAAAAAAATAGTTTTTCAGATT	-6/3
732 672	TOTAL TOTAL CONTROL OF THE PROPERTY OF THE PRO	-PT3
612	COUNTY DA A ACCOUNT CONTROL OF THE C	- 223
552.	CCCATCACAAAACTTCACGAGGAAAATCAAAACCTTCTCGTACCTTAACACATAC	-433
	CCAATGATCGATCGATTTGAGAAGATTCCTCAATGATTTCGTCATATATAGGTATCTG	-433
492	AGGIATTATGGACCGATTCGTAATAACATCATATACATCGCGCTTTGTCCCTGTCCCAG	-373
432	ACATTTCCATCA A A A ACCICA ATTTTATTCTAATATTTGAAGCATGCCAAACATGGGGCA	-2T2
372	GTTGATTTGTGTGAGGGTAAAATATCATGAATTGCACCCATCAAATGCAGCAAGATATTG	-253
312 252	ACCAATCCTATAATAGAAAACAGACTTACCACAAATAGATTGTGATGACGATATTATGAA	-193
252 192	TCTCCAGATGAAAGCTCGAAAGCTATGAAGCCTCTTGAAACTTTTCATGGTGAGATAAT	-133
132	ATTITCGAAATTICCACGAACTTCTAAAACGCAATTATTGAATATAAAGGAAAAATAATA	-73
-72	TTTCCATATAGCAAGCAAATCAAGCTGCACTCCTCATCCTTAAAACTAATAAATCTTACC	-13
- 12 -12	CATTICATACCAATCCTCAAACGTAATGTTATAGTGGTTCAAATAGAATCCCAGTCACT	48
1	MetValLysGlyAsnValIleValValSerAsnArgIleProValThr	16
1		108
49	ATTAAGAAGACTGAAGATGATGAAAATGGAAAATCAAGATACGACTATACAATGTCATCA	36
17	IleLysLysThrGluAspAspGluAsnGlyLysSerArgTyrAspTyrThrMetSerSer	
109	GGCGGATTAGTGACGGCATTACAAGGGCTCAAAAATCCATTTCGATGGTTTGGATGGCCT	168
	GlyGlyLeuValThrAlaLeuGlnGlyLeuLysAsnProPheArgTrpPheGlyTrpPro	56
37		228
169	GGGATGTCTGTTGATAGCGAACAGGGACGACAAACTGTCGAGCGGGATTTGAAGGAAAAG	76
57	GlyMetSerValAspSerGluGlnGlyArgGlnThrValGluArgAspLeuLysGluLys	76.
	TTCAATTGTTATCCGATATGGTTAAGTGACGAAATTGCAGACTTACATTATAACGGCTTT	288
229 .	PheAsnCysTyrProlleTrpLeuSerAspGlulleAlaAspLeuHisTyrAsnGlyPhe	. 96
77		240
289	AGCAATTCTATACTTTGGCCATTGTTCCACTATCACCCAGGGGAGATGAATTTTGATGAA	348
97	SerAsnSerIleLeuTrpProLeuPheHisTyrHisProGlyGluMetAsnPheAspGlu	116
	ATTGCTTGGGCCGCTTATTTGGAAGCAAATAAACTGTTTTGCCAAACGATCTTAAAGGAG	408
349	ATTGCTTGGCCGCTTATTTGGAAGCAAATAAACTGTTTTGCCTTTTGCCTTTTTTTT	136
117 -		
409	ATAAAAGACGGGGACGTTATCTGGGTACATGATTATCATCTCATGTTGTTGCCTTCACTG	468
137	IleLysAspGlyAspValIleTrpValHisAspTyrHisLeuMetLeuLeuProSerLeu	_156
13,		528
469	CTAAGAGACCAACTTAATAGTAAGGGGCTACCGAATGTCAAAATTGGCTTTTTCCTTCAT	176
157	LeuArgAspGlnLeuAsnSerLysGlyLeuProAsnValLysIleGlyPhePheLeuHis	170
	ACTOCTTTTCCTTCAAGCGAAATATACAGGATACTTCCTGTAAGGAAAGAAA	588
529	ThrProPheProSerSerGluIleTyrArgIleLeuProValArgLysGluIleLeuGlu	196
177		
589	GGAGTGCTTAGTTGTGATTTGATAGGTTTCCACACCTATGATTATGTCCGTCACTTTCTT	648
197	GlyValLeuSerCysAspLeuIleGlyPheHisThrTyrAspTyrValArgHisPheLeu	216
649	AGTTCGGTTGAAAGAATATTGAAATTGCGAACGAGCCCACAAGGTGTTGTCTATAATGAT	
217	SerSerValGluArgIleLeuLysLeuArgThrSerProGlnGlyValValTyrAsnAsp	250

## 

## FIGUR 6 (cont.)

709	AGACAGGTGACTGTAAGTGCTTATCCGATTGGCATTGACGTTGACAAATTCTTGAATGGT	768 <sub>.</sub>
237	ArgGlnValThrValSerAlaTyrProIleGlyIleAspValAspLysPheLeuAsnGly	256
769	CTTAAGACTGATGAGGTCAAAAGCAGGATAAAACAGCTGGAAACCAGATTTGGTAAAGAT	828
257	LeuLysThrAspGluValLysSerArgIleLysGlnLeuGluThrArgPheGlyLysAsp	276
829	TGTAAACTTATTGGGGTGGACAGGCTGGATTACATCAAAGGTGTACCTCAAAAACTC	888
277	CysLysLeuIleIleGlyValAspArgLeuAspTyrIleLysGlyValProGlnLysLeu	296
889	CACGCGTTTGAAATTTTCTTGGAGAGACACCCTGAGTGGATTGGAAAAGTTGTTTTGATA	948
297	HisAlaPheGluIlePheLeuGluArgHisProGluTrpIleGlyLysValValLeuIle	316
949.	CAGGTGGCTGTCCCCTCACGAGGGGACGTTGAAGAATATCAATCTTTGAGGGCAGCTGTA	1008
317.	GlnValAlaValProSerArgGlyAspValGluGluTyrGlnSerLeuArgAlaAlaVal	336
1009	AATGAGCTAGTGGGAAGAATCAATGGTAGATTTGGTACCGTCGAATTTGTTCCTATCCAT	1068
337	AsnGluLeuValGlyArgIleAsnGlyArgPheGlyThrValGluPheValProIleHis	356
1069 357	TTCCTTCATAAAAGCGTGAACTTCCAAGAGCTGATATCTGTCTACGCTGCTAGTGATGTT PheLeuHisLysSerValAsnPheGlnGluLeuIleSerValTyrAlaAlaSerAspVal	1128 376
1129	TGTGTAGTGTCATCGACACGGGACGGAATGAATTTGGTCAGTTATGAATACATTGCTTGT	1188
377	CysValValSerSerThrArgAspGlyMetAsnLeuValSerTyrGluTyrIleAlaCys	396
1189	CAACAAGATCGAAAGGGATCTCTAGTACTAAGTGAATTTGCGGGAGCTGCTCAGTCATTA	1248
397	GlnGlnAspArgLysGlySerLeuValLeuSerGluPheAlaGlyAlaAlaGlnSerLeu	416
1249	AATGGCGCTCTCGTAGTGAATCCATGGAATACAGAAGAACTCAGTGAAGCTATTTACGAA	1308
417	AsnGlyAlaLeuValValAsnProTrpAsnThrGluGluLeuSerGluAlaIleTyrGlu	436
1309	GGCTTGATCATGAGTGAAGAGAAAAGGAGGGGGCAATTTTCAGAAGATGTTCAAGTACATT	1368
.437	GlyLeuIleMetSerGluGluLysArgArgGlyAsnPheGlnLysMetPheLysTyrIle	456
1369	GAGAAATATACTGCAAGTTATTGGGGAGAACTTTGTGAAAGAATTGACGAGAGTGTGA	1428
457	GluLysTyrThrAlaSerTyrTrpGlyGluAsnPheValLysGluLeuThrArgVal	476
1429 1489	TTACTGTGGTTTGCAGGTTAATTTGAAATGTTCACTTGTACTTGAAGAATTTTATATTAT ATACATGTTATACATCAATAGGATAAAAATTAAGTAGACAAAGTTATCATTTTGTTGGGC TGTAAAAATTGAACGATAACAATATATTTGACAAAATTAATT	1488 1548 1608
1549 1609 1669	GGGCGTAATATTTTGGTTTCCTGAATCATCTTGTAGATCACAATATGGGGCAGCTTCTT	1668 1728 1788
1729 1789	ATCGGGGAAATGCAAGGATACAGGTTGACCATGGAAGACGCGTTCTGTGATTTGAACGAA AGAATATTCGTGACGGAAGAGGGACTTGACATCAGAAAACAAGACGAGAATACAGAGGGT GATCTGGAGTCTCTTCAAATTAACATTTATGGTGTCTTTGACGGACATGGCGGTT	1848 1903
HALV	[4M][	

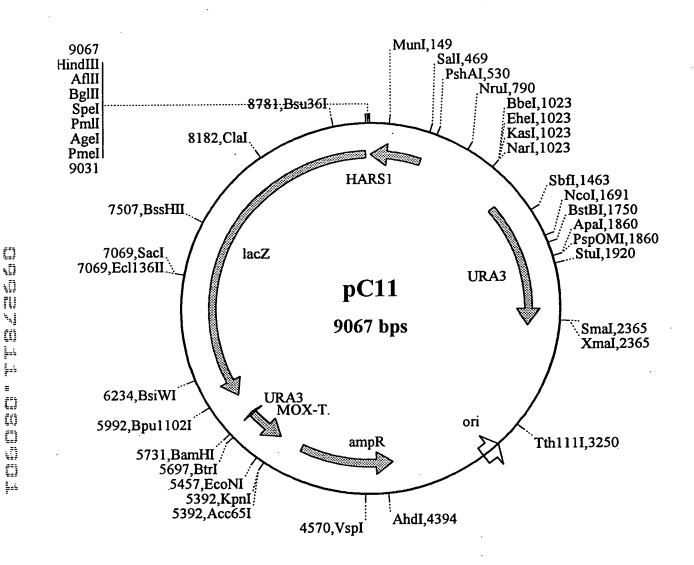
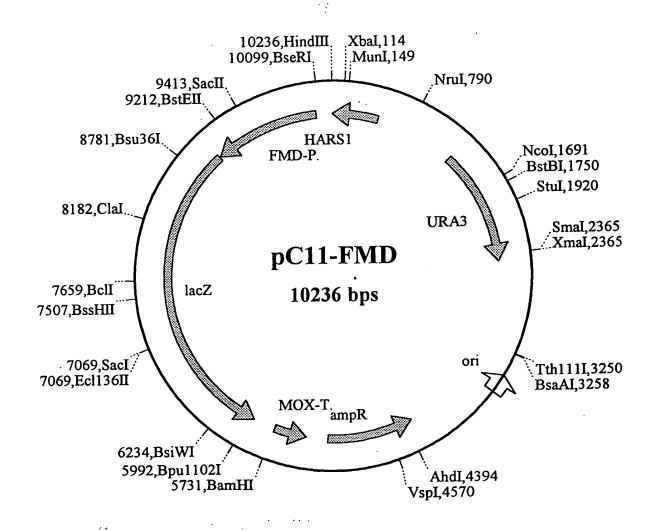


FIG. 7

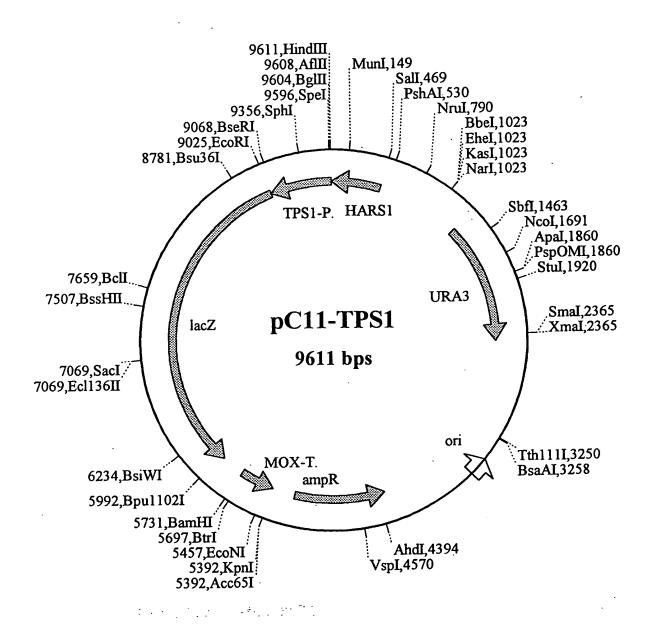


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FIG. 9

FIG. 10A

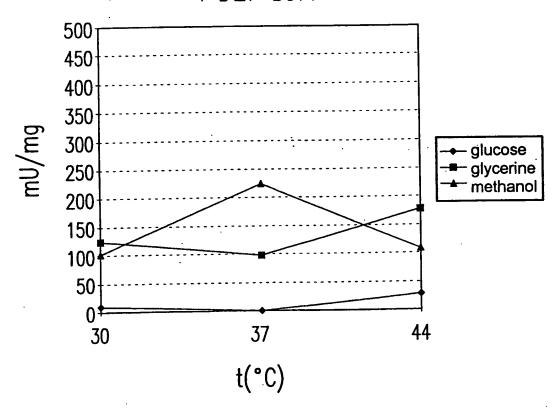
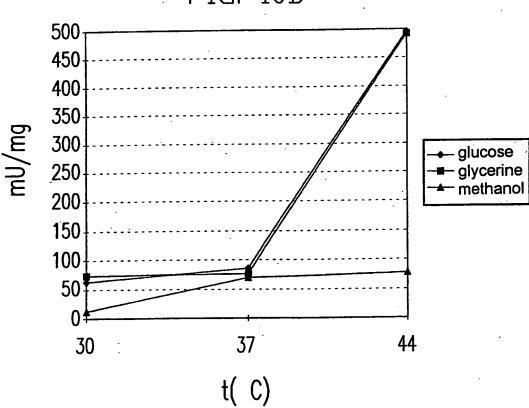


FIG. 10B



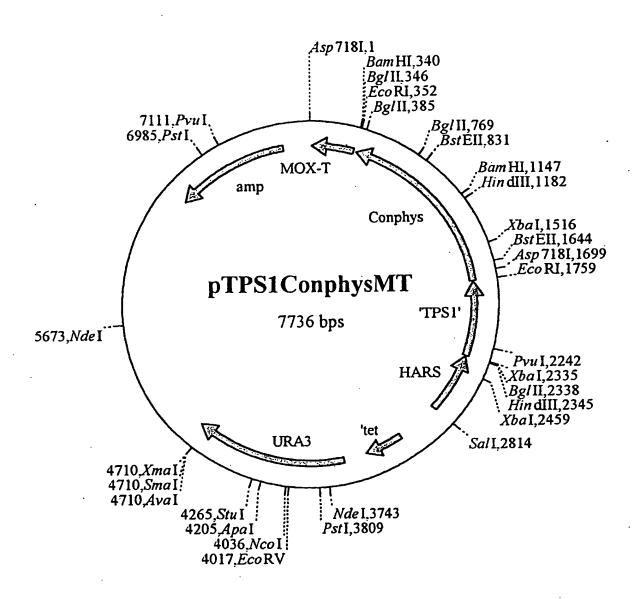


FIG. 11